Index of Claims

Application/Control No.

Applicant(s)/Patent under Reexamination

10/632,674

Examiner

KRAFT, FRANK MICHAEL

Art Unit

Robert M. Timblin

2167

Rejected Allowed

(Through numeral) Cancelled

Non-Elected N

Appeal 0 Objected

Restricted

Interference

| Claim Date Eg. 190 / O 90 / O 1 | | | | | | | | ı | | ш | L | | |
|--|----------|------|--|--------------|--|-------------------------------------|--------------|----------|----------|--|-----------|--|--|
| Te P P P P P P P P P | Cla | Date | | | | | | | | | | | |
| 1 | Cla | | \vdash | _ | . – | | Jak | - | _ | _ | | | |
| 1 | _ | ם | စ္ခ | | | | | | | | | | |
| 1 | <u>:</u> | ij | 9/9/ | | | | | | | | | | |
| 8 | " | ō | 7 | | | | | | | | | | |
| 8 | | 1 | J | - | | | | \vdash | | | | | |
| 8 | - | | i | | _ | | | | | H | \exists | | |
| 8 | | 3 | 1 | | | - | | | | _ | | | |
| 8 | | 4 | 1 | | \vdash | _ | | | | | | | |
| 8 | | 5 | 1 | \vdash | | | | | | | | | |
| 8 | | 6 | 1 | | | | | | | | | | |
| 10 | | 7 | 1 | | | | | | | | | | |
| 10 | | 8 | ٧ | | | | | | | | | | |
| 24 | | 9 | 1 | | | | | | | | | | |
| 24 | | 10 | | | | | | | | | | | |
| 24 | | 11 | | | L | | لسا | | | | Щ | | |
| 24 | | 12 | | | <u> </u> | L. | | | | L | | | |
| 24 | | 13 | L | _ | | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | Ш | | Ш | <u> </u> | Ш | | |
| 24 | | 14 | | | | _ | | | | | | | |
| 24 | | 15 | Ш | | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | Ц | | |
| 24 | | 16 | | | | <u> </u> | _ | | | | | | |
| 24 | | 17 | | | | _ | _ | | _ | _ | Ш | | |
| 24 | | 18 | | | <u> </u> | _ | L | | _ | _ | Ш | | |
| 24 | | 19 | | | _ | _ | | L | _ | | ш | | |
| 24 | | 20 | _ | _ | | <u> </u> | <u> </u> | _ | | <u> </u> | Н | | |
| 24 | | 21 | _ | | | L | <u> </u> | _ | _ | _ | Н | | |
| 24 | | 22 | | <u> </u> | — | - | <u> </u> | | | | Н | | |
| 29 30 31 32 33 34 35 36 37 38 39 40 41 41 42 43 44 45 46 47 48 49 | | 23 | H | - | <u> </u> | | <u> </u> | | L | <u> </u> | Н | | |
| 29 30 31 32 33 34 35 36 37 38 39 40 41 41 42 43 44 45 46 47 48 49 | | 24 | _ | | _ | - | _ | | \vdash | - | \vdash | | |
| 29 30 31 32 33 34 35 36 37 38 39 40 41 41 42 43 44 45 46 47 48 49 | | 25 | H | | - | _ | | | - | \vdash | Н | | |
| 29 30 31 32 33 34 35 36 37 38 39 40 41 41 42 43 44 45 46 47 48 49 | - | 20 | | - | - | | | - | - | \vdash | Н | | |
| 29 30 31 32 33 34 35 36 37 38 39 40 41 41 42 43 44 45 46 47 48 49 | | 28 | - | <u> </u> | | | | \vdash | ⊢ | \vdash | Н | | |
| 31 32 33 34 35 36 37 38 39 40 41 41 42 43 44 45 46 47 48 49 | | 20 | | _ | - | - | ┝ | ├ | ├─ | | Н | | |
| 31 32 33 34 35 36 37 38 39 40 41 41 42 43 44 45 46 47 48 49 | | 30 | \vdash | _ | - | | - | - | H | \vdash | Н | | |
| 32 33 34 35 36 37 38 39 40 41 42 43 44 44 45 46 47 48 49 | | 31 | | - | - | - | - | | H | | H | | |
| 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 | | 32 | | | \vdash | \vdash | \vdash | \vdash | \vdash | | Н | | |
| 34 35 36 37 38 39 40 41 42 43 44 44 45 46 47 48 49 | | 33 | М | \vdash | | | \vdash | \vdash | \vdash | <u> </u> | Н | | |
| 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 | | 34 | T | Г | T | | Г | Г | \vdash | Г | П | | |
| 37 38 39 40 41 42 43 44 45 46 47 48 49 | | 35 | Г | | | | | Г | | - | \Box | | |
| 37 38 39 40 41 42 43 44 45 46 47 48 49 | | 36 | | | | | | | | | | | |
| 38 39 40 41 41 42 43 44 45 46 47 48 49 49 | | 37 | | L | | | | | | | | | |
| 40 41 42 43 44 45 46 47 48 49 | | 38 | | | | | | | | | | | |
| 40 41 42 43 44 45 46 47 48 49 | | 39 | | | | | | | | | | | |
| 42 43 44 45 46 47 48 49 | | 40 | | | | | | | | | | | |
| 43 44 45 46 47 48 49 49 | | | | | | | | | | | | | |
| 44 45 46 47 48 49 | | | | | | | | <u> </u> | | | | | |
| 45 46 47 48 49 | | 43 | <u> </u> | _ | <u> </u> | L | | L_ | | L | Ш | | |
| 46 47 48 49 | | 44 | $oxedsymbol{oxed}$ | _ | <u> </u> | <u> </u> | $oxed{oxed}$ | <u> </u> | <u> </u> | <u> </u> | Ш | | |
| 47 48 49 | | 45 | <u> </u> | | <u> </u> | _ | <u> </u> | L | L., | | Щ | | |
| 48 49 | | 46 | _ | | <u> </u> | <u> </u> | | | L_ | | Ш | | |
| 49 | | | <u> </u> | <u> </u> | <u> </u> | <u> </u> | 匚 | <u> </u> | <u> </u> | <u> </u> | Щ | | |
| 50 50 | | 48 | L | _ | <u> </u> | <u> </u> | <u> </u> | <u> </u> | L., | <u> </u> | Ш | | |
| 50 | <u> </u> | 49 | <u> </u> | | <u> </u> | | <u> </u> | <u> </u> | <u> </u> | <u> </u> | Щ | | |
| | | 50 | | <u> </u> | L | <u> </u> | L | L | L | | | | |

| Claim | Cir | aim | | _ | | |) at | | | | | | Ci | aim | | | | |)at | | | | |
|--|-------|----------|----------|---|--|--------------|--------------|----------|----------|----------|--------------|---|-------|----------|----------|---|---|---|----------|-------------|----------|--|----------|
| 51 101 102 103 54 104 105 55 106 55 56 106 106 55 56 106 55 56 106 55 56 106 57 107 58 108 59 109 60 60 109 60 60 110 101 111 62 112 63 111 111 62 112 63 113 64 114 65 65 115 66 66 116 67 117 68 118 69 119 70 120 71 71 72 72 73 74 74 74 74 74 74 74 74 74 74 74 74 75 75 76 126 77 78 128 79 79 78 128 79 79 79 79 79 79 79 79 79 79 79 | Ula | | \vdash | | _ | _ <u>'</u> | | <u> </u> | 1 | - | | | Uli | | \vdash | _ | _ | | | | _ | | |
| 102 | Final | Original | | | | | | | | | | | Final | Original | | | | | | | | | |
| 102 | | 51 | Н | | | _ | \vdash | - | ļ | T | | | | 101 | | 1 | | | | | \Box | | |
| 103 | | | П | | | Г | | <u> </u> | Г | | | | - | 102 | | | | | | | | | |
| 105 | | | | | | | | | | | | | | | | | | | | | | | |
| 56 106 57 107 58 108 59 109 60 110 61 111 62 112 63 113 64 114 65 116 67 117 68 118 69 119 70 120 71 121 72 122 73 123 74 124 75 125 76 126 77 127 78 128 79 129 80 130 81 131 82 132 83 133 84 134 85 135 86 136 87 137 88 138 89 139 90 140 | | | | | | | | | | | | | | | | | | | | | | | |
| 57 107 58 108 59 109 60 110 61 111 62 112 63 113 64 114 65 115 66 116 67 117 68 118 69 119 70 120 71 121 72 122 73 123 74 124 75 125 76 126 77 127 78 128 79 129 80 130 81 131 82 132 83 133 84 134 85 135 86 136 87 137 88 138 89 139 90 140 | | | | | | | | | | | | | | | | | | | | | | | |
| 58 108 59 109 60 110 61 1110 62 112 63 113 64 114 65 115 66 116 67 117 68 118 69 119 70 120 71 121 72 122 73 123 74 124 75 125 76 126 77 127 78 128 79 129 80 130 81 131 82 132 83 133 84 134 85 136 86 136 87 137 88 138 89 139 90 140 91 141 | | 56 | | | | | L | | | | | | | | | | | | | | | | |
| 59 109 60 110 61 111 62 112 63 113 64 114 65 115 66 116 67 117 68 118 69 119 70 120 71 121 72 122 73 123 74 124 75 125 76 126 77 127 78 128 79 129 80 130 81 131 82 132 83 133 84 134 85 135 86 136 87 137 88 138 89 139 90 140 91 141 92 142 93 144 95 145 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>L</td><td></td><td></td></td<> | | | | | | | | | | | | | | | | | | | | | L | | |
| 60 61 111 111 62 63 1113 64 1114 65 65 66 66 67 7 1117 68 68 69 119 70 120 71 120 71 120 71 120 71 120 71 120 71 120 71 120 71 120 71 120 71 120 71 120 71 120 71 120 71 120 71 120 71 120 71 120 72 73 74 74 75 75 76 76 77 77 77 77 77 77 77 77 77 77 77 | | | | | | | | | | | | | | | | | | | L | | 匚 | L | |
| 61 | | | | | | | | | L | | | | | | | | | | L | | | | |
| 62 | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | | | | | | | | | | | | | | | | | _ | | L | | | | |
| 64 114 65 115 66 116 67 117 68 119 70 120 71 121 72 122 73 124 75 125 76 126 77 127 78 128 79 129 80 130 81 131 82 132 83 133 84 134 85 136 86 136 87 138 89 139 90 140 91 141 92 142 93 144 95 145 96 146 97 147 98 149 | | | | | | | | Ĺ | Ĺ | Ĺ | | | | | | | | | L | | L | | |
| 65 115 66 116 67 118 68 118 69 119 70 120 71 121 72 123 73 123 74 124 75 126 77 127 78 128 79 129 80 130 81 130 81 131 82 132 83 133 84 134 85 136 86 136 87 138 88 139 90 140 91 141 92 143 142 143 98 146 99 140 147 148 99 149 | | | | | | | | | | | 匚 | | | | | \prod | | _ | | | \Box | | |
| 66 116 67 117 68 118 69 119 70 120 71 121 72 122 73 123 74 124 75 126 77 127 78 128 79 129 80 130 81 131 82 132 83 133 84 134 85 135 86 136 87 137 88 139 90 140 91 141 142 139 139 140 91 141 142 143 95 146 96 146 147 98 148 99 | | | | | | | | Ľ | | | | | | | | | | | Ľ | | 匚 | | |
| 67 117 68 118 69 120 70 120 71 121 72 122 73 123 74 124 75 125 76 127 78 128 79 129 80 130 81 131 82 132 83 133 84 134 85 135 86 136 87 137 88 139 90 140 91 141 92 142 93 143 94 144 95 146 147 98 148 149 | | | | | | | | | 匚 | | | | | | | | | | 匚 | | | | |
| 68 118 69 119 70 120 71 121 72 123 73 123 74 124 75 125 76 126 77 128 79 129 80 130 81 131 82 132 83 133 84 134 85 135 86 136 87 137 88 139 90 140 91 141 92 142 93 143 94 144 95 146 146 147 98 148 99 149 | | | | | | | | | | | 匚 | | | | | | | | | | 匚 | | L |
| 69 119 70 120 71 121 72 122 73 123 74 124 75 125 76 126 77 127 78 129 80 130 81 131 82 132 83 133 84 134 85 135 86 137 88 138 89 139 90 140 91 141 92 142 93 143 94 144 95 145 96 146 97 147 98 148 | | | | | | 匚 | | | | | $oxed{\Box}$ | | | | \Box | $oldsymbol{ol}}}}}}}}}}}}}}}}}}}}}$ | | | | <u></u> | _ | | L |
| 70 120 71 121 72 123 73 123 74 124 75 125 76 126 77 127 78 128 79 129 80 130 81 131 82 132 83 133 84 134 85 135 86 136 87 138 89 139 90 140 91 141 92 142 93 143 144 145 96 146 97 147 98 148 99 149 | | | | | | | | L | 匚 | | | | | | | | | | L. | | | | L |
| 71 121 122 73 123 124 75 125 126 77 127 127 78 128 129 80 130 131 81 131 132 83 133 134 85 135 136 86 136 137 88 138 139 90 140 141 91 140 141 92 142 143 94 144 145 96 146 147 98 148 149 | | | | | | | | | L | | <u> </u> | | | | | | | | | <u> </u> | | | |
| 72 122 73 123 74 124 75 126 76 127 78 128 79 129 80 130 81 131 82 132 83 133 84 134 85 135 86 136 87 137 88 139 90 140 91 141 92 142 93 143 94 144 95 146 97 146 99 148 99 149 | | 70 | | | | | | | | | <u>L</u> | ŀ | | | | \perp | | | _ | | | | |
| 73 123 74 124 75 125 76 126 77 128 79 128 80 130 81 131 82 132 83 133 84 134 85 136 87 138 88 137 88 139 90 140 91 141 92 142 93 143 94 144 95 146 97 148 99 149 148 99 | | | | | | | | | L. | | <u>L</u> | | | 121 | | \perp | | | | | | | |
| 74 124 75 125 76 126 77 128 79 128 80 130 81 131 82 132 83 133 84 134 85 136 87 137 88 139 90 140 91 141 92 142 93 144 95 144 96 146 97 148 99 149 | | | | | | | | | | | | ŀ | | | | | | | | | | | _ |
| 75 125 76 126 77 128 79 128 80 130 81 131 82 133 83 133 84 134 85 136 87 137 88 139 90 140 91 141 92 142 93 142 94 144 95 146 97 148 99 149 | | | | | | | | | | | | | | | | | | | | | | | |
| 76 126 77 128 79 128 80 130 81 131 82 133 83 134 85 135 86 137 88 139 90 140 91 141 92 142 93 144 95 144 97 146 99 148 148 99 | | | | | | | | | | | | • | | | | | | | | | | | |
| 77 127 78 128 79 129 80 130 81 131 82 132 83 134 85 135 86 137 88 137 88 138 89 140 91 141 92 142 93 142 94 144 95 146 97 148 99 149 | | | | | | | | | | | | | | | | | | | | | | | |
| 78 128 79 129 80 130 81 131 82 132 83 133 84 134 85 135 86 136 87 138 88 139 90 140 91 141 92 142 93 142 94 144 95 146 97 147 98 148 99 149 | | | | | | | | | | | |] | | | | | | | | | | | |
| 79 129 80 130 81 131 82 132 83 133 84 134 85 135 86 136 87 137 88 139 90 140 91 141 92 142 93 143 94 144 95 146 97 148 99 149 | | | | | | | | | | | l | | | | | | | | | | | | |
| 130 | | | | | | | | | | | | | | 128 | | | | | L | | | | |
| 81 131 82 132 83 133 84 134 85 135 86 136 87 137 88 139 90 140 91 141 92 142 93 143 94 144 95 146 97 147 98 149 | | | | | | | | | | | | | | 129 | | \perp | | | | | | | |
| 82 132 83 133 84 134 85 135 86 136 87 136 88 137 88 139 90 140 91 141 92 142 93 143 94 144 95 145 96 146 97 148 99 149 | | | | | | | | | L. | L | L., | ŀ | | | | Ц | | | | | | | L |
| 83 133 84 134 85 135 86 136 87 137 88 137 89 138 90 140 91 141 92 142 93 143 94 144 95 145 96 146 97 148 99 149 | | | | | | | | | | | | | | | | _ | | | | | L | | _ |
| 84 134 85 135 86 136 87 137 88 139 90 140 91 141 92 142 93 143 94 144 95 145 96 146 97 148 99 149 | | | Ш | | | <u> </u> | L | L | L | | <u> </u> | | | | \sqcup | | | | <u> </u> | _ | <u></u> | | |
| 85 135 86 136 87 137 88 138 89 139 90 140 91 141 92 142 93 143 94 144 95 145 96 146 97 147 98 148 99 149 | | | Ш | | | | | | | | | | | | | | | | 匚 | | | | L |
| 86 136 87 137 88 138 89 139 90 140 91 141 92 142 93 143 94 144 95 145 96 146 97 147 98 148 99 149 | | | | | L | | | | 匚 | | \Box | | | | \Box | | | _ | L | | | _ | |
| 87 137 88 138 89 139 90 140 91 141 92 142 93 143 94 144 95 145 96 146 97 147 98 148 99 149 | | | Ш | | ــــــا | _ | <u> </u> | L | \perp | | | | | | | _ | | | | | _ | $oxed{oxed}$ | L |
| 88 138 89 139 90 140 91 141 92 142 93 143 94 144 95 145 96 146 97 147 98 148 99 149 | | | \Box | | | $oxed{oxed}$ | | | L | L | | | | | | | | | | | _ | | L |
| 89 139 90 140 91 141 92 142 93 143 94 144 95 145 96 146 97 147 98 148 99 149 | | | Ш | | L. | <u> </u> | <u> </u> | <u> </u> | _ | L. | <u> </u> | | | 137 | \sqcup | _ | | | <u> </u> | <u> </u> | | <u> </u> | <u> </u> |
| 90 | | | Ш | | | <u> </u> | | L | <u> </u> | _ | L | | | | Щ | \Box | | | <u> </u> | <u> </u> | | _ | L |
| 91 | | | Ш | | L | | | _ | <u> </u> | _ | <u> </u> | | | | | _ | | | _ | <u> </u> | _ | <u> </u> | L |
| 92 | | | Ш | | <u> </u> | <u> </u> | _ | | <u> </u> | | <u> </u> | | | | \sqcup | _ | | | <u> </u> | <u> </u> | | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | L |
| 93 | | | Ш | | | _ | | | <u> </u> | | <u> </u> | | | | \sqcup | ightharpoonup | | | _ | L | | $ldsymbol{ld}}}}}}$ | L |
| 94 | | | Ш | | | | | | <u> </u> | L | | | | | \sqcup | \perp | | | <u> </u> | <u> </u> | | $ldsymbol{f eta}$ | L |
| 95 96 97 98 98 99 148 99 | | | Ш | | | _ | | _ | <u></u> | | <u> </u> | | | | \sqcup | $ \bot $ | | | L_ | otacluster | <u>_</u> | <u> </u> | L |
| 96 | | | | | L | _ | _ | L | ļ | | L | | | | | \perp | | | <u> </u> | <u> </u> | <u> </u> | ldash | L |
| 97 | | | Ш | | | <u>L</u> | <u>_</u> | | <u> </u> | <u> </u> | <u> </u> | | | | \sqcup | \dashv | | | | L | L_ | <u> </u> | _ |
| 98 148 149 149 149 1 | | | Ш | | <u>L</u> | <u>L</u> | <u> </u> | | L | | | | | | \sqcup | | | | | <u> </u> | <u> </u> | <u> </u> | |
| 99 149 149 | | | | | | | _ | L | 匚 | | L. | | | | \Box | \Box | | | L | <u></u> | _ | <u> </u> | |
| | | | | | L | | $oxed{oxed}$ | L | | _ | | | | | | | | | | _ | _ | _ | |
| 100 | | | | | | | L | | L | L | | | | | \sqcup | \perp | | _ | <u> </u> | <u> </u> | <u> </u> | <u> </u> | L. |
| | | 100 | L_] | | | <u> </u> | L | | | <u>L</u> | l. | | | 150 | | | | | L_ | <u> </u> | | | |